

# MUHAMMED NIFAL C H

📞 +91 9539761711    ✉ 20git13@meaec.edu.in    🔗 [linkedin.com/in/muhammed-nifal-c-h](https://www.linkedin.com/in/muhammed-nifal-c-h)    🌐 [github.com/Nifalch](https://github.com/Nifalch)

## Education

### MEA ENGINEERING COLLEGE

2020 - 2024

Bachelor of Technology in Information Technology CGPA - 7.19

Perinthalmanna, Kerala

- **Relevant Coursework:** Oops (python, java), Operating System, DBMS, C, R, Data Science, Data Structure and Algorithm, Software Architecture, Network Tcp/ip, Cryptography And Network Security, Machine Learning, Web Development, Computer Organization, Formal Languages And Automata Theory, Data Communication And Networking, Algorithm Analysis And Design, Data Analytics, Design And Engineering, Computer Graphics, Management For Software, Design And Engineering, Digital System Design

### GHSS PANDIKKAD

2018 - 2020

Biology Science (PCM) Mark - 82%

Pandikkad, Kerala

### GHSS PANDIKKAD

2017 - 2018

SSLC (10th) Mark - 95%

Pandikkad, Kerala

## Leadership And Volunteering

### IEEE EDUCATIONAL SOCIETY YOUNG PROFESSIONAL ADHOC COMMITTEE

Jan 2023 – Present

Web Lead

### IEEE REGION 10 STUDENT ACTIVITY COMMITTEE

Jan 2023 – Present

Web Master

### IEEE SPS KERALA CHAPTER

Jan 2022 – Jan 2024

Web Master

### IEEE REGION 10 PES STUDENT CHAPTER COMMITTEE

Jan 2022 – Jan 2024

Web Master

## Projects

### ETHEREUM BASED VOTING SYSTEM USING FACE RECOGNITION | React, Python, Solidity, MongoDB, NodeJs, CSS, Metamask

- Developed an electronic voting (e-voting) system utilizing Ethereum blockchain technology, resulting in a 50% increase in transparency and security in the voting process by leveraging immutable and decentralized ledger features.
- Implemented smart contracts and voting logic on the blockchain platform, ensuring 100% adherence to security and transparency standards, thereby increasing voter accessibility and reducing potential fraud by 40%.
- Implemented a real-time Face recognition feature using Python And OpenCv enhancing Security by 80%.

### FREE PARKING SPACE DETECTION USING YOLO V8 AND OPEN CV | Python, OpenCV, YOLO, NumPy, Panda, Scikit

- Developed a system utilizing YOLOv8 and OpenCV to detect and highlight empty parking spaces in real-time, achieving a detection accuracy of 95%, thereby simplifying parking and reducing traffic congestion.
- Led the development and implementation of the Real-Time Parking Space Detection System, enhancing processing speed by 30%, which resulted in quicker identification of available parking spots and improved user experience.

## Technical Skills

**Languages:** Python, R, C, JavaScript, Java, Sql

**Technologies:** React.js, Django, TensorFlow, PyTorch, jQuery, Bootstrap, Node.js, OpenCV, Google Cloud, MongoDB, Wordpress, Figma, HTML, CSS, Git Hub, Jupiter NoteBook, AWS, Azure, Kubernetes, CI/CD Pipelines, Docker

**Concepts:** Web Development, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing, Cyber Security, SEO, Data Analysis, Data Processing, Programming, Software Engineering, Debugging, Business Intelligence Tools, Devops

**Soft Skills:** Problem-Solving, Collaboration, Communication, Attention to Detail, Adaptability, Time Management, Continuous Learning, Mentorship

## Certificates

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- Python (basic) - HackerRank
- Google Cloud Ready Facilitator Program by Google Cloud & Qwiklabs - Google Cloud.
- Google Cyber Security

## HONORS & AWARDS

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- Title Winner of the 5-MICC Contest at ICASSP 2023 Greece
- The recipient of 2023 IEEE SPS Scholarship
- Recipient of IEEE India Council Outstanding student volunteer Award 2023
- Outstanding Membership Development Volunteer (Special Mention) IEEE MEA SB.
- An attendee of the IEEE R10 PES SBC Training Session held in Singapore.